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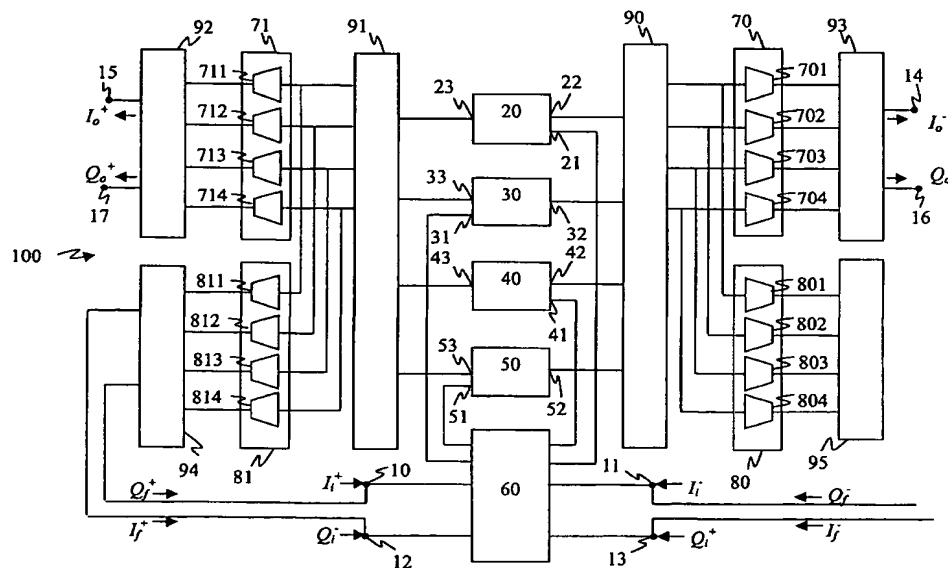
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(54) Title: SWITCHED-CURRENT INTEGRATOR



(57) Abstract: A complex switched-current bilinear integrator (100) is formed as a pair of cross coupled real bilinear integrators and has inputs (10, 11, 12, 13) and outputs (14, 15, 16, 17) for differential pairs of in-phase (I) and quadrature-phase (Q) signals and an arrangement of sample-and-hold circuits (20, 30, 40, 50) and coupled scaling circuits (70, 71, 80, 81). Dynamic element matching is used to reduce the effect of mismatch between scaling circuits by interchanging scaling circuits in different signal paths. In order to prevent cross-talk of signals between different signal paths, the change of a scaling circuit coupled to a sample-and-hold circuit is constrained to occur only at the beginning of a sampling operation by that sample-and-hold circuit.